

WHAT IS CLAIMED IS:

1. A method for synchronously updating screen data of a database application program at a plurality of clients, the method comprising:

installing a reference table at a server of a network system;

5 recording filenames of databases in a database system opened by the clients over the network system in the reference table;

when one of the clients updates data of the database at the server, enabling the client to read the reference table for identifying the filenames of the databases opened by the other clients; and

10 transmitting updated data at one client to the other clients; and

updating data of corresponding fields on a screen of the database application program at each of the other clients.

2. The method of claim 1, wherein the network system comprises at least one server and a plurality of clients coupled to the server, and each client and the  
15 server are capable of communicating data by utilizing a network communication protocol implemented on the network application program installed in the network system.

3. The method of claim 2, wherein the network communication protocol is a Transport Control Protocol/Internet Protocol (TCP/IP) communication protocol.

20 4. The method of claim 1, wherein the database system comprises at least one database for storing a variety of records each having a unique filename of the database.

5. The method of claim 1, wherein the database application program installed in each client is capable of entering the database system, so that the screen of  
25 the database application program at each client is available for a user to enter the database system at the server and to input data into the record of the database or search data stored in the records of the database.

6. The method of claim 1, wherein each client is capable of entering the database system at the server by executing the installed database application program and the database application program of the database system downloaded from the server.

5 7. The method of claim 1, wherein the reference table comprises a plurality of fields for storing an IP address, a communication port number, and the filename of the database opened by the database application program of each client coupled to the server,

8. The method of claim 7, wherein when each client enters the database system at the server for inputting or searching data, the server performs the steps of:

detecting and reading the IP address, the communication port number, and the filenames of the open databases of the database system at each client;

15 sequentially writing the same into the corresponding fields of the reference table;

determining whether an updating is performed on the record of the database corresponding to the filename of the database being opened after each client has entered the server; and

20 if a result in the determination is positive, transmitting contents of the reference table to the clients after the updating.

9. The method of claim 8, wherein after the reference table transmitted from the server has been received therein, the client performs the steps of:

reading contents of the fields of the reference table for identifying the filenames of the databases opened by the other clients; and

25 transmitting updated data to the other clients for updating data of the related fields on the screen of the database application program at each of the other clients.